

F1
cont.
6. (Four Times Amended) An isolated DNA of human origin, which codes for a peptide having serine protease activity, and is hybridizable with DNA having the nucleotide sequence of SEQ ID NO: 3, under stringent conditions.

F2
8. (Amended) A host cell transformed by the expression vector as claimed in claim 7.

F3
9. (Three Times Amended) A process for preparing a serine protease comprising culturing a host cell as claimed in claim 8, and recovering the serine protease.

14. (Three Times Amended) An isolated DNA which codes for the serine protease domain as claimed in claim 22.

F4
15. (Three Times Amended) An isolated DNA which codes for a kringle domain of a serine protease, as claimed in claim 23.

16. (Three Times Amended) An isolated DNA which codes for a scavenger receptor cysteine-rich domain of a serine protease, as claimed in claim 24.

F5
22. (Twice Amended) A serine protease domain consisting of an amino acid sequence from amino acid No. 578 to 822 of SEQ ID NO: 6.

23. (Twice Amended) A kringle domain consisting of an amino acid sequence from amino acid No. 40 to 112 of SEQ ID NO: 6.

F5
cont.
24. (Twice Amended) A scavenger receptor cysteine-rich (SRCR) domain consisting of an amino acid sequence selected from the group consisting of: the amino acid sequence from amino acid No. 117 to 217, from amino acid No. 227 to 327, from amino acid No. 334 to 433, and from amino acid No. 447 to 547 of SEQ ID NO: 6.

25. (Twice Amended) A process for screening physiologically active substances comprising the steps of measuring the inhibitory or activating activity of a substance using the serine protease as claimed in claim 21, or measuring the binding affinity of a substance to the serine protease as claimed in claim 21.

26. (Twice Amended) A process for detecting a substance capable of inhibiting or activating the serine protease as claimed in claim 21 comprising contacting a substance with the serine protease, and measuring the activity of the serine protease.

F6
44. (Twice Amended) A process for preparing a serine protease domain consisting of an amino acid sequence from amino acid No. 578 to 822 of SEQ ID NO: 6 comprising culturing a host cell as claimed in claim 37, and recovering said domain.

45. (Twice Amended) A process for preparing a kringle domain consisting of an amino acid sequence from amino acid No. 40 to 112 of SEQ ID NO: 6 comprising culturing a host cell as claimed in claim 38, and recovering said domain.

F6
cont.

46. (Twice Amended) A process for preparing a scavenger receptor cysteine-rich domain of a serine protease comprising culturing a host cell as claimed in claim 39, and recovering said domain.

47. (Twice Amended) A process for preparing a serine protease comprising culturing a host cell as claimed in claim 40, and recovering the serine protease.

51. (Twice Amended) A process for screening physiologically active substances comprising the steps of measuring the inhibitory or activating activity of a substance using the serine protease domain as claimed in claim 22, or measuring the binding affinity of a substance to the serine protease domain as claimed in claim 22.

F7

Please add new claims 60-63 as follows.

--60. (New) A serine protease encoded by a DNA as claimed in claim 6.--

F8

61. (New) A process for screening physiologically active substances comprising the steps of measuring the inhibitory or activating activity of a substance using the serine

protease as claimed in claim 60, or measuring binding affinity of a substance to the serine protease as claimed in claim 60.

F8
cont.

62. (New) A process for detecting a substance capable of inhibiting or activating the serine protease as claimed in claim 60 comprising contacting a substance with the serine protease, and measuring the activity of the serine protease.

63. (New) A process for detecting a substance capable of inhibiting or activating the serine protease as claimed in claim 22 comprising contacting a substance with the serine protease, and measuring the activity of the serine protease.--
